

===== WPI =====

TI - Image processing method for medical diagnostic imaging appts e.g. X-ray
CT - inhibits edge enhancement when degree of extracted edge area is
larger than predetermined threshold value

AB - J09062836 The method involves extracting an edge area from an original
picture image.
- When the degree of the extracted edge area is larger than a
predetermined threshold value, the edge enhancement operation is
inhibited.
- ADVANTAGE - Prevents superfluous edge enhancement. Obtains legible and
convenient image for diagnosis.
- (Dwg.1/23)

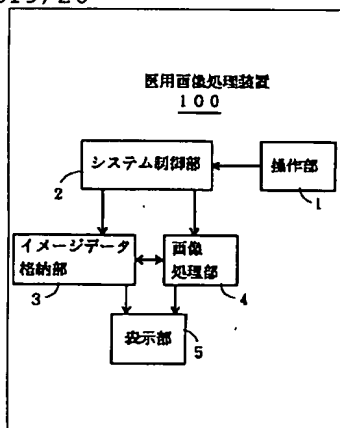
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PR - JP950217461 950825
PA - (YOKM) YOKOGAWA MEDICAL SYSTEMS LTD
MC - S05-D02A1 S05-D02A5E T01-J06A T01-J10B1
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===== PAJ =====

TI - PICTURE PROCESSING METHOD AND PICTURE PROCESSOR

AB - PROBLEM TO BE SOLVED: To provide a clear picture by suppressing or
preventing edge emphasis for an edge area whose degree of an edge is
large and executing edge emphasis for an area which is not large.
- SOLUTION: A medical picture processor 100 is provided with an operation
part 1 receiving the instruction and the selection of an operator, a
system control part 2 controlling the operation of respective parts, an
image data storage part 3 storing an original medical picture and a new
medical picture obtained by picture-processing the original picture, a
picture processing part 4 executing an excessive emphasis preventing
edge emphasis processing and a display part 5 displaying the medical
picture. In such a case, the smoothing picture element value is obtained
by using an original picture element value, the picture element value of
a picture element near a notice picture element and a smoothing space
filter. Then, a differential picture element value is obtained by
subtracting the smoothing picture element value from the original
picture element value. It is judged whether the degree of the edge is
large or not from the differential picture element value. Edge emphasis
is not executed on the picture element whose degree of the edge is large.
Edge emphasis is executed on the picture element whose degree is not
large.

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